



# State of Utah

## DEPARTMENT OF ENVIRONMENTAL QUALITY DIVISION OF AIR QUALITY



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### Certified Mail

DAQC-1325-96

September 6, 1996

Craig N. Thatcher  
Thatcher Chemical Company  
P.O. Box 27407  
1905 Fortune Road  
Salt Lake City, Utah 84127

Dear Mr. Thatcher:

Re: **THATCHER CHEMICAL COMPANY - NOTICE OF VIOLATION AND ORDER FOR COMPLIANCE**  
- Utah Administrative Code (UAC) R307-13 - Condition 19-C and 19-I of the Approval Order (AO) Dated September 21, 1994 - Code of Federal Regulations (CFR) Chapter 40 Part 60.13 and Appendix B, Performance Specification 2 - Thatcher Chemical Company - Salt Lake County

On August 14, 1996, three inspectors from the Division of Air Quality (DAQ) conducted an audit of Thatcher Chemical Company's SO<sub>2</sub> analyzer at the chemical manufacturing facility located at 1905 Fortune Road in Salt Lake City. At the time of inspection it was determined that Thatcher Chemical Company had restricted the Continuous Emissions Monitor (CEM) to read a value no greater than 26 parts per million (ppm) concentration of SO<sub>2</sub> in the liquid sulfur dioxide scrubber stack.

The enclosed **NOTICE OF VIOLATION AND ORDER FOR COMPLIANCE** is based on the observations documented by the DAQ inspectors. Please be advised that compliance with this **ORDER** is mandatory and will not relieve the company of liability for any past violations.

You will be contacted soon to arrange a meeting to discuss the violation, findings, and resolution. Questions regarding this matter may be directed to Jay Morris at (801) 536-4079.

Sincerely,

*Ursula K. Trueman*

Ursula K. Trueman, Acting Executive Secretary  
Utah Air Quality Board

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Enclosure: NOTICE OF VIOLATION AND ORDER FOR COMPLIANCE

cc: Department of Environmental Quality, Dianne R. Nielson  
EPA Region VIII, Lee Hanley  
Salt Lake City/County Health Department



THE UTAH AIR QUALITY BOARD

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In the Matter of	:	NOTICE OF VIOLATION
Thatcher Chemical Company	:	AND ORDER FOR
	:	COMPLIANCE
	:	No. 96080030

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This NOTICE OF VIOLATION AND ORDER FOR COMPLIANCE is issued by the UTAH AIR QUALITY BOARD (the Board) pursuant to the Utah Air Conservation Act (Act) Section 19-2-101, et seq., Utah Code Annotated 1953, as amended. The Executive Secretary is authorized to issue Notices of Violation pursuant to Section 19-2-110 of Utah Code Annotated. The Board has delegated to the Executive Secretary authority to issue ORDERS in accordance with Section 19-2-107(2)(g) of the Utah Code Annotated.

FINDINGS

1. Thatcher Chemical Company operates a chemical manufacturing facility located at 1905 Fortune Road in Salt Lake City, Utah.
2. Thatcher Chemical Company is subject to Utah Administrative Code (UAC) R307-1-3.1.1, and was issued an Approval Order (AO) by the Executive Secretary on September 21, 1994.
3. Thatcher Chemical Company has installed a Continuous Emissions Monitor (CEM) on the SO<sub>2</sub> scrubber stack. Condition 19-I of the AO requires the company to install, calibrate, maintain, operate and record the output of the CEM system according to 40 CFR 60 Appendix B, Performance Specification 2, and UAC R307-13 (renumbered from R307-1-4.6). UAC R307-13-1(N) defines performance standards to mean "the acceptable operational tolerances that a continuous emission monitoring system is required to respond to as outlined in 40 CFR 60."
4. Condition 19-I of the AO also requires Thatcher Chemical Company to "record the output of the system, for measuring the SO<sub>2</sub> emissions and concentration." (Emphasis in original) The performance standard for recording the output of the system is listed in 40 CFR 60.13(e).
5. Condition 19-C of the AO establishes the emission limitation of 50 ppm SO<sub>2</sub> from the scrubber stack.
6. Condition 19-I and 40 CFR 60 Appendix B, Performance Specification 2, Section 4.1, requires a data recorder scale to be set using a zero and a high level value of at least 1.5 times the pollutant concentration corresponding to the emission standard level and the span value. Thus, the data recorder at Thatcher Chemical Company must be set at a high value of at least 1.5 times the AO emission limit of 50 ppm SO<sub>2</sub> (75 ppm SO<sub>2</sub>).

7. Representatives of the executive secretary (inspectors) conducted an inspection of the SO<sub>2</sub> scrubber stack CEM system on August 14, 1996, at Thatcher Chemical Company.
8. Thatcher Chemical Company's CEM is required to complete a minimum of one cycle of operation (sampling, analyzing, and data recording) for each successive 15 minute period as specified by 40 CFR 60.13(e)(2). Inspection of the company logbook showed, and Thatcher Chemical confirmed, that readings were only recorded one time per hour.
9. A certified EPA protocol gas of 103.9 ppm SO<sub>2</sub> concentration was used to test the CEM. Thatcher Chemical filled a Tetlar bag with 10 ml of 103.9 ppm SO<sub>2</sub> gas and fed the gas through an umbilical and into the CEM sampling inlet. Thatcher Chemical and the inspectors observed the CEM during the test. The maximum reading obtained was 26 ppm SO<sub>2</sub> concentration.
10. Inspectors observed that the read out from the CEM had been restricted to read a maximum concentration of 26 ppm SO<sub>2</sub>. The printout from the data logger had been restricted to read a maximum concentration of 50 ppm SO<sub>2</sub>.
11. UAC R307-13-7.E states that tampering with monitoring equipment is a violation of the Continuous Emission Monitoring Systems Program.

#### VIOLATIONS

Based on the foregoing FINDINGS, Thatcher Chemical Company is in violation of:

1. UAC R307-1-3.1.1, R307-13-1, 40 CFR 60.13(e)(2), and Condition 19-I of the AO for failing to maintain the Continuous Emissions Monitor (CEM) system that will complete a minimum of one cycle of operation for each successive 15 minute period.
2. UAC R307-13-7.E for monitor tampering.

#### ORDER

Based on the foregoing FINDINGS AND VIOLATIONS, Thatcher Chemical Company, pursuant to Section 19-2-107(2)(g) of the Utah Code Annotated, is hereby ORDERED TO:

1. Immediately initiate all actions necessary to achieve total compliance with all applicable provisions of the Act.
2. Notify this office in writing on or before September 13, 1996, of Thatcher Chemical Company's intent to comply with this ORDER and indicate how compliance is to be achieved.

COMPLIANCE, OPPORTUNITY FOR A HEARING

This ORDER is effective immediately and shall become final unless Thatcher Chemical Company requests, in writing, a hearing within thirty (30) days pursuant to Utah Code Annotated 19-2-110. Section 19-2-115 of the Utah Code Annotated provides that violators of the Utah Air Conservation Act and/or any ORDER issued thereunder may be subject to a civil penalty of up to \$10,000.00 per day for each violation.

Dated 4 day of September, 1996.

Ursula K. Trueman  
Ursula K. Trueman, Acting Executive Secretary  
Utah Air Quality Board